

Solving Systems of Three Equations w/ Elimination

Date_____ Period____

Solve each system by elimination.

$$\begin{aligned} 1) \quad & -x - 5y - 5z = 2 \\ & 4x - 5y + 4z = 19 \\ & x + 5y - z = -20 \end{aligned}$$

$$\begin{aligned} 2) \quad & -4x - 5y - z = 18 \\ & -2x - 5y - 2z = 12 \\ & -2x + 5y + 2z = 4 \end{aligned}$$

$$\begin{aligned} 3) \quad & -x - 5y + z = 17 \\ & -5x - 5y + 5z = 5 \\ & 2x + 5y - 3z = -10 \end{aligned}$$

$$\begin{aligned} 4) \quad & 4x + 4y + z = 24 \\ & 2x - 4y + z = 0 \\ & 5x - 4y - 5z = 12 \end{aligned}$$

$$\begin{aligned} 5) \quad & 4x - y + 6z = 27 \\ & -4x - 2y + 3z = 21 \\ & 4x - 6y + 2z = 12 \end{aligned}$$

$$\begin{aligned} 6) \quad & -5a - b - 3c = -17 \\ & -2a - b + 6c = 1 \\ & -6a - b + 3c = -14 \end{aligned}$$